

## **REMARKS**

Claims 1-20 have been canceled without prejudice or disclaimer. Claims 21-46 have been added. Support for new claims 21 and 34 can be found in the specification, e.g., at page 28, line 25, to page 29, line 3; page 21, lines 18-21; page 23, lines 7-11; page 12, lines 11-16; page 3, lines 6-10; at page 56, line 34, to page 57, line 2; and at originally-filed claim 1. Support for new claim 21 can additionally be found in the specification, e.g., at page 12, lines 7-11. Support for new claims 22 and 35 can be found in the specification, e.g., at page 56, lines 5-7. Support for new claims 23, 24, 36, and 37 can be found in the specification, e.g., at page 49, lines 14-21. Support for new claims 25, 26, 38, and 39, can be found in the specification, e.g., at page 55, lines 25-27. Support for new claims 27 and 40 can be found in the specification, e.g., at page 13, lines 29-32, and at originally-filed claim 6. Support for new claims 28 and 41 can be found in the specification, e.g., at page 5, lines 8-15. Support for new claims 29 and 42 can be found in the specification, e.g., at page 65, lines 23-32. Support for new claims 30 and 43 can be found in the specification, e.g., at page 19, lines 19-20. Support for new claims 31 and 44 can be found in the specification, e.g., at page 38, lines 20 to 31. Support for new claims 32, 33, 45, and 46 can be found in the specification, e.g., at page 8, lines 4-11; and at page 62, lines 12-16. New claims 21-46 add no new matter.

The Notice indicates that the filing fee is missing. Applicants submit the required fee of \$770.00 and the late filing fee surcharge of \$130.00. Applicants also submit the additional claims fee of \$108.00 for 6 additional claims, for a total fee of \$1,008.00.

The Notice also states that applicants must submit an initial computer readable form (CRF) copy of the Sequence Listing and an initial paper copy of the Sequence

Listing. Applicants enclose an initial paper copy of the Sequence Listing and have amended the specification by inserting that paper copy after the Abstract and before the Figures. The paper copy of the Sequence Listing adds no new matter.


The enclosed paper copy of the Sequence Listing is identical to the CRF copy of the Sequence Listing filed on March 10, 2000, in parent U.S. Application Serial No. 09/443,282 (the '282 application). In accordance with 37 C.F.R. § 1.821(e), please use the CRF copy of the Sequence Listing filed in that application as the CRF copy of the Sequence Listing for the instant application. The undersigned understands that the U.S. Patent and Trademark Office will make the necessary changes in the application number and filing date for the instant application.

Please grant any extensions of time required to enter this Amendment and Response, and charge any additional required fees to our deposit account 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

Dated: July 15, 2004

By:   
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